



**PATENT APPLICATION TRANSMITTAL LETTER**

TO: Mail Stop PATENT APPLICATION  
Commissioner for Patents  
Box 1450  
Arlington, VA 22313-1450

Attorney Docket No.: 134522

Express Mail Label No.: ER 987188394 US



Transmitted herewith for filing under

35 USC 111(a) and 37 CFR 1.53(b) (NEW UTILITY OR DESIGN PATENT APPLICATION)  
as a new: ☒ utility or ☐ design patent application

for application entitled: APPARATUS AND METHOD FOR ELECTRICAL DISCHARGE  
MACHINING

and invented by: James Marion Vau et al.

Enclosed are:

1. ☒ Specification with 21 total pages having:
  - a. ☒ Claims numbered from 1 to 22
  - b. ☒ Abstract
  - c. ☒ Drawing (s) (35 USC 113) as follows:
    - (1) ☒ Formal ☐ Informal
  - d. ☒ Total sheets -13 with Figures No. 1 to No. 14
  - ☒ Oath or Declaration with 2 total pages as follows:
    - (1) ☒ Newly executed and signed ☐ Unsigned
    - (2) ☐ Copy from prior application (37 CFR 1.63d) Serial No. filed on
    - (3) ☒ With Power of Attorney ☐ Without Power of Attorney
2. ☒ Assignment (Coversheet and documents)
3. ☐ Preliminary Amendment
4. ☒ Return Receipt Postcard (MPEP 503) (should be specifically itemized)
5. ☐ Application Data Sheet
6. ☒ Information Disclosure Statement  
☒ PTO-1449 ☒ Copies of Cited Documents
7. ☐ Certified Copy of Priority Document
8. ☐ Nonpublication Request under 35 USC 122(b)(2)(B)(i) Applicant must attach form PTO/5B/35 or its equivalent
9. ☒ Additional Enclosures as follows:
  - a. ☒ Express Mail Receipts
  - b. ☒ Fee Transmittal
10. If a continuation or divisional application:  
☐ continuation ☐ division ☐ continuation-in-part of prior application Serial No. filed on:  
☐ Cancel in this application original claims of the prior application before calculating the filing fee (at least one independent claim must be retained for filing purposes)

☐ Amend the specification by inserting before the first line: This application is a application Serial No. filed on which is hereby incorporated by reference in its entirety.

☐ Prior application information: Examiner Group Art Unit

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 1 d (2), is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

11. ☒ Filing fee calculated and transmitted:  
a. ☒ utility patent application filing fee as described below for the claims as filed less any canceled above

Large Entity				
For	No. Filed	No. Extra	Rate	Fee
Basic				\$ 770
Total Claims	22 - 20 =	2	x \$ 18 =	\$ 36
Ind. Claims	3 - 3 =	0	x \$ 86 =	\$ 0
Mult. Dep. <input type="checkbox"/>			+ \$280 =	\$
Total Filing Fee				\$ 806.00

- b. ☐ design patent application filing fee of \$330.00  
c. ☒ The Commissioner is hereby authorized to charge and credit Deposit Account No. 07-0865 as described below. A duplicate copy of this sheet is enclosed.  
(1) Charge the amount of ☐ \$330.00 ☐ \$740.00 ☒ \$ 806.00 for the filing fee.  
(2) ☒ Credit any overpayment.  
(3) ☒ Charge any additional filing fees required under 37 CFR 1.16 and 1.17.  
(4) ☐ Charge the Issue Fee set in 37 CFR 1.18 at the mailing of the Notice of Allowance, pursuant to 37 CFR 1.311(b).  
d. ☐ A check in the amount of \$ for the filing fee is enclosed.

Date: March 19, 2004

Attorney Name James P. Davidson

10250 Alliance Road, Suite 120

Reg. No. 32,563

Cincinnati, Ohio 45242



Attorney Signature

Tel: (513) 891-2100 Fax: (513) 891-2230

Email: jdavid5952@aol.com

12. Correspondence Address

☒ Customer Number or Bar Code label 31786

Or ☒ Correspondence Address below

Name James P. Davidson, Esq.

Address 10250 Alliance Road, Suite 120

City Cincinnati State Ohio Zip 45242

Country USA Telephone (513) 891-2100 Fax (513) 891-2230

# FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ **846.00**)

## Complete if Known

Application Number  
Filing Date **MARCH 19, 2004**  
First Named Inventor **JAMES MARION VAN ET AL.**  
Examiner Name  
Art Unit  
Attorney Docket No. **120742**

## METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None

☒ Deposit Account:

Deposit Account Number **07-0865**  
Deposit Account Name **General Electric Company**

The Director is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments  
☒ Charge any additional fee(s) or any underpayment of fee(s)  
☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

## FEE CALCULATION

### 1. BASIC FILING FEE

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1001 770	2001 385	Utility filing fee	<b>770.00</b>
1002 340	2002 170	Design filing fee	
1003 530	2003 265	Plant filing fee	
1004 770	2004 385	Reissue filing fee	
1005 160	2005 80	Provisional filing fee	
SUBTOTAL (1)			(\$ <b>770.00</b> )

### 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	Extra Claims	Fee from below	Fee Paid
<b>22</b>	-20** = <b>2</b>	X <b>18.00</b>	= <b>36.00</b>
Independent Claims	<b>3</b>	- 3** = <b>0</b>	X <b>8.00</b> = <b>0.00</b>
Multiple Dependent			

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description
1202 18	2202 9	Claims in excess of 20
1201 86	2201 43	Independent claims in excess of 3
1203 290	2203 145	Multiple dependent claim, if not paid
1204 86	2204 43	** Reissue independent claims over original patent
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$ **36.00**)

\*\*or number previously paid, if greater; For Reissues, see above

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1051 130	2051 65	Surcharge - late filing fee or oath	
1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet	
1053 130	1053 130	Non-English specification	
1812 2,520	1812 2,520	For filing a request for ex parte reexamination	
1804 920*	1804 920*	Requesting publication of SIR prior to Examiner action	
1805 1,840*	1805 1,840*	Requesting publication of SIR after Examiner action	
1251 110	2251 55	Extension for reply within first month	
1252 420	2252 210	Extension for reply within second month	
1253 950	2253 475	Extension for reply within third month	
1254 1,480	2254 740	Extension for reply within fourth month	
1255 2,010	2255 1,005	Extension for reply within fifth month	
1401 330	2401 165	Notice of Appeal	
1402 330	2402 165	Filing a brief in support of an appeal	
1403 290	2403 145	Request for oral hearing	
1451 1,510	1451 1,510	Petition to institute a public use proceeding	
1452 110	2452 55	Petition to revive - unavoidable	
1453 1,330	2453 665	Petition to revive - unintentional	
1501 1,330	2501 665	Utility issue fee (or reissue)	
1502 480	2502 240	Design issue fee	
1503 640	2503 320	Plant issue fee	
1460 130	1460 130	Petitions to the Commissioner	
1807 50	1807 50	Processing fee under 37 CFR 1.17(q)	
1806 180	1806 180	Submission of Information Disclosure Stmt	
8021 40	8021 40	Recording each patent assignment per property (times number of properties)	<b>40.00</b>
1809 770	2809 385	Filing a submission after final rejection (37 CFR 1.129(a))	
1810 770	2810 385	For each additional invention to be examined (37 CFR 1.129(b))	
1801 770	2801 385	Request for Continued Examination (RCE)	
1802 900	1802 900	Request for expedited examination of a design application	

Other fee (specify)

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ **40.00**)

## SUBMITTED BY

Name (Print/Type) **William Scott Andes** Registration No. **33,582** Telephone **513/243-5955**  
Signature **[Signature]** Date **MAR. 19, 2004**

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

**CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)**

Applicant(s): James Marion Vau et al.

Docket No.

120742

Serial No.

Filing Date

March 19, 2004

Examiner

Group Art Unit

Invention:

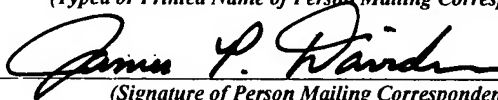
APPARATUS AND METHOD FOR ELECTRICAL DISCHARGE MACHINING

I hereby certify that the following correspondence:

Fee Transmittal

*(Identify type of correspondence)*

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on

March 19, 2004*(Date)*James P. Davidson*(Typed or Printed Name of Person Mailing Correspondence)**(Signature of Person Mailing Correspondence)*ER 987188394 US*("Express Mail" Mailing Label Number)***Note: Each paper must have its own certificate of mailing.**

**CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)**Applicant(s): **James Marion Vau et al.**

Docket No.

**120742**

Serial No.

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**March 19, 2004**

Examiner

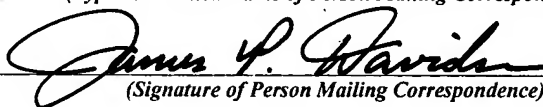
Group Art Unit

Invention: **APPARATUS AND METHOD FOR ELECTRICAL DISCHARGE MACHINING**

I hereby certify that the following correspondence:

**Patent Application Transmittal Letter***(Identify type of correspondence)*

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on

**March 19, 2004***(Date)***James P. Davidson***(Typed or Printed Name of Person Mailing Correspondence)**(Signature of Person Mailing Correspondence)***ER 987188394 US***("Express Mail" Mailing Label Number)***Note: Each paper must have its own certificate of mailing.**

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Docket No.

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Examiner

Group Art Unit

Invention:

APPARATUS AND METHOD FOR ELECTRICAL DISCHARGE MACHINING

I hereby certify that the following correspondence:

Declaration and Power of Attorney

(Identify type of correspondence)

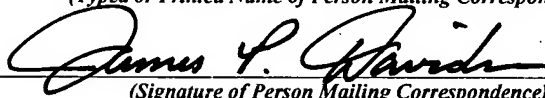
is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on

March 19, 2004

(Date)

James P. Davidson

(Typed or Printed Name of Person Mailing Correspondence)



(Signature of Person Mailing Correspondence)

ER 987188394 US

("Express Mail" Mailing Label Number)

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Group Art Unit

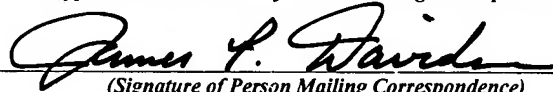
Invention: **APPARATUS AND METHOD FOR ELECTRICAL DISCHARGE MACHINING**

I hereby certify that the following correspondence:

Patent Specification and Formal Drawings (13 Sheets)

*(Identify type of correspondence)*

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on

March 19, 2004*(Date).*James P. Davidson*(Typed or Printed Name of Person Mailing Correspondence)**(Signature of Person Mailing Correspondence)*ER 987188394 US*("Express Mail" Mailing Label Number)***Note: Each paper must have its own certificate of mailing.**

**CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)**Applicant(s): **James Marion Vau et al.**

Docket No.

**120742**

Serial No.

Filing Date

**March 19, 2004**

Examiner

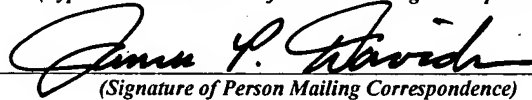
Group Art Unit

Invention: **APPARATUS AND METHOD FOR ELECTRICAL DISCHARGE MACHINING**

I hereby certify that the following correspondence:

**Information Disclosure Statement Transmittal, 1449 Form and copies of cited references***(Identify type of correspondence)*

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on

**March 19, 2004***(Date)***James P. Davidson***(Typed or Printed Name of Person Mailing Correspondence)**(Signature of Person Mailing Correspondence)***ER 987188394 US***("Express Mail" Mailing Label Number)***Note: Each paper must have its own certificate of mailing.**